



## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact [support@jstor.org](mailto:support@jstor.org).

# An Alphabetical TABLE

Of the chief things contained in this Fifth Volume for

A. 1670. The *first* figure relates to the *Number* of Tracts, the *Second* to the *Page*.

But *Note*, that from the Page 1197. Numb. 58, and again from the Page 2107. Num. 65. The Numbers of Pages are misprinted: The *Index* refers to the Pages as they are Printed: And the *Number* of Tracts will secure the Directions.



**A.**  
**AGRICULTURE.** The Spanish Sembrador, or New-Engine for Plowing, equal Sowing and harrowing at once, with the Description, Uses, &c. N.

60. p. 1055.

*Air*: the same Quantity may change its Dimensions to an almost incredible degree. How both Cartesians and Epicureans are concerned in this matter. 67. 2052. 2053.

A piece of yellow *Amber* so soft as to receive the impression of a Seal, and strengthened, 64. 2061. See more 66. 2028.

*Anatomical* Observations of the Virginal Channel inserted in the Spleen. The Lacteous vessels apparent in a drowned Body, and two odd Births, by Signior *Jacomo Grandi*, 48. 1188. A fuller Discovery of the Vessels which convey the Chyle to the Breasts of nursing women, and that there is a suspicion of another passage of the Urine to the Bladder, than by the Ureters, 65. 2083. and 67. 2045. and *Laurence Bellini* his undertakings in *Anatomy*, offer'd to the G. Duke of *Toscany*, 65. 2092. See *Monsters*.

*Astronomy*: Mr. *Mercators* considerations concerning the Geometrick and direct method of Signior *Cassini* for finding the Apogees, Excentricities and Anomalies of the Planets, 57. 1168. A new Star appearing in the Swan, Aug. 17. 1670. and the present Appearance of the Planet Saturn, observed by M. *Hevelius*, and others, 65. 2087. and 66. 2023. The Moons Eclipse Sept. 19. 1670. the Conjunction of Venus and the Moon Oct. 2. 1670. with remarks on the new Star in the Beak of the Swan, and on the other in the Neck of the Whale, M. *Hevelius*, &c. 66. 2023. &c. Mr *Flamsteeds* Pre-advancements of the Moons motions this following Year. 66. 2029.

**B.**

**C** Concerning the *Bathes* in Austria and Hungary, by Dr. *Edward Brown*, 59. 1142.

*Bees* or insects of the Bee-kind, how generated by Bees in Willows, 65. 2089. and 2100.

*Books* of Note abbreviated. *Joh. Amerpoel* *Cartesius* *Mosaizans* 59. 1053.

*Anonymus*. The Divine History of the Genesis of the world explicated, and illustrated 60. 1083.

Fr. *Bayle* de Causis fluxus Menstrui Mulierum; & de Sympathia Variarum Corporis partium cum Utero; & de usu lactis ad Tabidos reficiendos, &c. 64. 2074. His vindication of *Des-Cartes*, with *Fontneillis* on the same annexed and Englished. 62. 2034.

*Lud. de Beauport* *Cosmopœia divina*. 59. 1052.

Mr. *Boyle's* Introduction to the History of particular Qualities: Of Cosmical Qualities and Suspicions: The Temperature of the Subterranean and Submarine Regions: The Bottom of the Seas 63. 2057. His *Origo Formarum & Qualitatum* Latinè reddita, 66. 2024. His Discovery of the Admirable Rarefaction of the Air even without Heat: New Observations about the Duration of the Spring of the Air: New Experiments touching the Condensation of the Air by meer Cold; and its compression without Mechanical Engines: and the Admirably differing Extension of the same Quantity of Air Rarified and Compressed, 67. 2052.

Fr. *Jos. Buirbi* *Epistole duæ ad Thom. Bartholinum* de Cerebro; & de modo faciendi oculos 64. 2081.

*Pietro Cavina* *Conjecture Physico-Astronomiche della natura del Univerſo*, 65. 2012.

*William Cleark* of Nitre, the Nature, Generation, Place, Artificial Extraction, Virtues and Uses of it. 61. 2008.

Joh.

# I N D E X.

Joh. Sig. *Elbolzii* Clysmatica nova, five Ratio in Venam sectam medicamenta infundendi. 58. 1200.

Hon. *Fabri* Synopsis Geometrica cum tribus opusculis. 66. 2055. *His* Dialogui Physici, de Lumine; vi Percussionis; Liqueoris Elevatione per Canaliculum, & Variis Selectis 67. 2057. *His* Physica, in 10. Tractus distributa. 68.

Joh. Lud. *Gansii* Coralliorum Historia 58. 1202. *Ægid. Fr. de Gottrignies* Elementa Geometriæ planæ. 66. 2054.

Hermann *Grube* de modo simpliciorum medicamentorum facultates cognoscendi. 60. 1085

Joh. Bapt. du *Hamel* de Corporum Affectionibus, tum manifestis, tum occultis, lib. duo; five promotæ per Experimenta Philosophiæ Specimen. 65. 2105.

Joh. Dan. *Majoris* de Lactæ Lunæ, Dissertatio Medica. 60. 1086.

Alex. *Marchetti* Exercitationes Mechanicæ. 60. 2008.

Miscellanea *Medico-Physica* Academix Germanicæ. 68.

Ant. *Molinetti* Dissertationes Anatomicæ & Pathologicæ de Sensibus & eorum Organis. 67. 2059.

Local Motion; the Laws of it, Englished out of French. 65. 2010.

Joh. *Raii* Catalogus Plant. Angliæ & Insul. adjac. 63. 2058.

Fran. *Redi* Esperienze intorno alla Generatione dell' Insetti. 57. 1175. Et Sopra alcuni opposizioni fatte alla sua dissertatione intorno alle vipere. 66. 2436.

Mic. *Senescallus* è Soc. Jes. de anno, mense, & die Christi nati, baptisati, & mortui. 60. 1085.

Rob. *Sheringham* Cantab. de Anglorum Gentis Origine Disceptatio. 62. 2032.

Joh. *Swammerdam* Historiæ Generalis Insectorum pars prima. 64. 2078.

William *Symphon* M. U. his vindication of Hydrologia Chymica. 62. 2032.

Mr. *Tenisons* Examination of Mr. *Hobs* Creed. 64. 2080.

Fran. *Travagini*, Gyri diurni indicium, à Terræ motibus, ac potissimum Ragusanis suggestum. 60. 1084.

Joh. *Wallisii* Mechanica de Motu, Centro gravitatis, & ejus calculo, pars 2a 61. 2005.

Joh. *Webster* Metallographia. 66. 2030.

Fr. *Wilhelmi* Elementa Physica, five Nova Philosophiæ principia. 65. 2007.

Tho. *Willis* Affectionum quæ dicuntur Hystricæ & Hypochondriacæ, Pathologia Spasmodica, Vindicata à Resp. Drs. Highmori; & de Sanguinis Accensione, & de Motu Musculari. 57. 1179.

Joh. *Zwelferi* Pharmacopœia Regia cum variis additamentis. 57. 1176.

C. Cold. The Progress of Artificial Congelation, accurately observ'd. 66. 2020.

D. The Art of teaching Deaf and Dumb persons to speak, write, and understand a language, performed by Dr *Wallis*. 61. 1087.

E. Electricity consider'd. 67. 2059.

F. A Strange Fish sent from New England, described, and with a Cut, Piscis Echino-stellaris Visciformis. 57. 1153. or Stella Arborifera Rondelæti 58. 1200.

I. An Insect yielding an Acid Juice, and thereby changing blew Flowers into red. The Spirit of this Insect, powred on Lead, maketh a good Saccharum Saturni, &c. 68. p. 2064, 2065.

L. Concerning a way of Prolongation of Humane Life. 58. 1179.

Light, whether a Body. 67. 2058.

M. The Magnetical Declination found at Rome Anno 1670. 58. 1184. Mines make no Impression at all on the Needle, Ibid. The Difficulty of finding the cause of the variation represented, with directions, and a request from the R. S. that Meridians be made and examined accurately in several places. 58. 1185 &c. Observations of the late Variations of the Needle at Dantzick by M. *Hewelius* 64. 2059. Perhaps by some changes in the Rotation of the Earth resemble'd to the Libration of the Moon. Ibid.

*Mercurial* Experiment considered. 67. 2059. *Meteors*: Halo's, Parelia's or Mocksuns, and their causes, demonstrated in Schemes. 60. 1065. Very strange effects of a Thunderclap at Stralsund in Pomerania June 19. 1670. 65. 2084.

Mines and Minerals in Hungary, Transylvania, Austria, and other Neighbouring Countries, &c. By Dr. *Edward Brown*. 58. 1189. and 59. 1042. An Account of the Sal-Sea-Mines in Poland, 200 fathoms deep. 61. 1099. A Rock of Natural Salt lately discover'd in *Cheshire*. 66. 2015.

Money. The Indians white Wampumpeage, the Matrices in which those Shells are bread, sent from New England. 57. 1152.

The Monstrous Birth of a double Child at Plymouth, and the Anatomy of it by Dr. *Dur-* *Don*. 65. 2096. A Congealed liquor found in the Pericardium or about the heart. 58. 1184. See *Anatome*.

# I N D E X.

*Motion*: Many things discuss'd about it by *Hen. Fabri*; who particularly examines the Rules of Motion deliver'd by *M. Hugen*; who also denieth, that a Body Horizontally projected comes at the same time to the ground with another fallen down perpendicularly: and who considers likewise the Principles of the Motion of Restitution.

P.

Bigge Oysters and Cockle shells *P. trified* on the Rocks in the remote parts of France. 51. 183.

R.

An Unusual *Refraction* discover'd by *Eras. Bartholin* in a Chrytal-like Body to be found in *Iceland*; where occur many considerable Observations, *Experim.* and *Reflexions*. 57. 2039.

*Respiration* examined by *M. Boyle* in *Machina Boyliana* N. 62. and N. 63. How long Ducks last in *Machina*. 62. 2011. The *Phænomena* afforded by *Vipers*, *Frogs*, and *Kittlings*. p. 2013, &c. Tryals about Air harboured in the pores of water. 2019. Shell fishes and Scale-fishes. 2023. A Bird and Frog, both wounded in the Abdomen, tryed 2026. The Motion of the separated heart of a Cold Animal, tryed. 2027. The comparison of the times wherein an Animal may be killed by Drowning, or by withdrawing the Air, tryed in a Greenfinch, a Sparrow, and a Mouse. 2028. &c. That water Fowle, (at least Ducks) can live longer under Water than Land-birds. 2029. Tryals of a Viper in *Machina*, and afterwards under water, and some reasons render'd, why the longer surviving in *Machina*, does not sufficiently prove, that Suffocation does not kill Animals faster than the deprivation of Air 2031.

Tryals made in reference to those Diseases and Distempers, which are thought principally to affect the respiratory Organs N. 63. p. 2036. By a Linnet, a Lark, a Greenfinch, a Viper. 2037. A Digestive Experiment concerning respiration upon very high mountains. 2038. Observations on an Animal in changes of rarity and density 2039. An unsuccessful attempt to prevent respiration by the production or growth of Animals in *Machina* 2040. A Digestive Experiment concerning the Expansion of Blood and other Animal juices. 2043. Of the power of *Assu-faction* to enable Animals to hold out in Air by Rarefaction made unfit for Respiration. 2045.

Reasons why these last Tryals are to be reiterated for fuller satisfaction; and that Air

unfit for Respiration may retain its wonted pressure. 2046. How necessary Air is to elevate the steams of Bodies. 2048. Tryals made of two sorts of white Snails, without shells, on an Effr, and a Leech. 2049. &c. What hapned to Reptiles, as Caterpillars, in *Machina*. 20051. Winged Insects, ordinary Flies, Flesh-flies, with their heads cut off, and otherwise Grasshoppers, Shining Beetles, Butterflies, tryed 2052. &c. Ants, Mites, and smallest Insects tryed; and of the necessity of Air to the motion of such small Creatures. 2054.

S.

A Rock of Natural Salt discover'd in Cheshire. 66. 2013.

The *Salubrity* of an unwholesome place how to be recovered. 66. 2017.

*Seas*; their Flux and Reflux considered by *Mr. Childrey*. 64. 2061; answered by *Dr. Wallis* 2068. See Additional. 66. 2038.

A way of making Sea-water sweet. 67. 2048. 2050.

*Spiders*, The manner how they project their threads. 65. 2013. and 2014. Fit to be added to the like observation. N. 50.

*Springs*, The Palpable Indications of some healing Springs, and an Essay to detect the causes of some peculiarities in Springs. 57. 1154. Mineral Springs re-examined by *Dr. Witty*. 60. 1074.

Admirable Stone-quarry about Mastrich. 67. 2051.

V.

*Vegetables*, Dwarf Oaks having Acorns in New-England. 57. 1151. The Bark of a Tree growing in Nova Scotia, bearing knobs which contain a Sanative Liquor like Turpentine. 57. 1157. Pods of Silk-Grass from New England described, and its use 57. 1152. A Branch of the Cotton-tree from N. Eng. Ibid. Observations, Directions, and Enquiries concerning the motion of Sap in Trees. 57. 1155. and 58. 1198. See also in N. 68. many particulars on this subject, in reference to Sycamores and Winter Bleedings of some Trees.

*Vinegar*, how made in France. 61. 2002.

*Of Vision*: The Principal Organ examin'd by *M. Mariotte*. 59. 1023.

W.

A practice to make a good Muskadell Wine by the Mark or husk of the Grape. 58. 1187.

Wood found good store under ground in Lancashire. 67. 2050.

E R R A T A. P. 2069. l. 29. r. Lister for Wray.

L O N D O N,  
Printed for John Martyn, Printer to the Royal Society.